

REMARKS

The Applicant does not believe that entry of the response contained herein will introduce new matter into the present application for invention. Therefore, the Applicant, respectfully, requests that this response be entered and that the claims to the present application be kindly, reconsidered.

The Final Office Action dated April 21, 2004 has been received and considered by the Applicants. Claims 1, 4-12 and 15-18 are pending in the present application for invention. Claims 1, 4-12 and 15-18 stand rejected by the April 21, 2004 Final Office Action.

The Final Office Action rejects Claims 1, 4, 6-12 and 16-18 under the provisions of 35 U.S.C. §102(b), as being anticipated by DE 94 10 532. The Examiner states that Figure 2 of DE 94 10 532 discloses the elements of the rejected claims. The Applicant, respectfully, disagrees. Figure 2 of DE 94 10 532 illustrates a coil with spaces between successive loops, however, there is nothing within DE 94 10 532 that would indicate that the spaces are "adjustable" spaces as recited by the rejected claims. Moreover, the surface material within DE 94 10 532 is not described as being a "surface of material connected to the air wound coil, wherein the surface of material is adapted to adjust a position of the plurality of sequential loops of the air wound coil for tuning the air wound coil, after the air wound coil is attached to the circuit board" as recited by the rejected claims.

The Examiner has listed a series of elements that pertain to the surface of material recited by the rejected claims and made the assertion that each of these listed elements are found within DE 94 10 532. The Applicant, respectfully, disagrees. These elements related to the surface of material listed by the Examiner are: to adjust a position of the plurality of sequential loops of the air-core coil for tuning the air-core coil; to be removable from the air-core coil without damaging the air-core coil; to bend the plurality of sequential loops to adjust the position of the plurality of sequential loops for the tuning the air-core coil; to be degraded by exposure to a solvent used to wash the circuit board; to be degraded by exposing the material to water and at least a portion of the surface of material can be removed; to be degraded by heating the circuit board; to flow when exposed to a soldering temperature of eutectic Pb/Sn alloy; to sublimate when exposed to a soldering temperature of eutectic Pb/Sn alloy; to cut between each loops in

the plurality of sequential loops of the air-core coil; and to be picked up using a vacuum probe of a head of a pick-and-place machine. The surface of material 4 as disclosed by DE 94 10 532 is a rectangular surface with a rectangular cross section and nothing more. There is no disclosure within DE 94 10 532 relating to the surface of material 4 that satisfies any of the elements listed by the Examiner. Moreover, there is no suggestion or motivation given by DE 94 10 532 to create a surface of material 4 that satisfies any of the listed elements. Accordingly, this rejection is, respectfully, traversed.

DE 94 10 532 discloses an electric spool component intended to be used for surface mount device assemblies (see Title and Field of the Invention on page 2, lines 1-7). The electric spool has a small plate mounted to the spool that allows easy handling of the electric spool without damaging it (see page 2, line 32 through page 3, line 3). The small plate allows easy handling and placement of the electric coil by low-pressure vacuum controlled pipettes (see page 5, line 23 to page 6 line 4). The small plate configuration can be used with different components, for example spools with different diameters, and provides for standardization in use with pipettes (see page 6, lines 6-12). The plate is preferably attached to the coil using glue (see page 7, line 36 to page 8, line 4). The plate is preferably made out of plastic (see page 10, lines 30-33). Note that DE 290694 does not mention or otherwise refer to, nor teach adjusting the electric coil assembly.

DE 94 10 532 discloses an electric coil assembly with a small plate 4 attached (see page 10, line 30 to page 11, line 2). The small plate 4 is secured on the coil in using glue or other means. Portions of the glue are evident in Fig. 1 (b) as indicated by reference sign 5. The plate 4 is intended to allow a highly intricate machine to employ a suction pipette to place the electric coil assembly on a circuit board (see page 11, lines 19-26).

Fig. 2 of DE 94 10 532 illustrates a further embodiment in the form of an electric, cylindrically wrapped spool 6 having a total spool length that is larger than the electric coil of the embodiment of Fig. 1. DE 94 10 532 teaches that in spite of the increased length of spool 6 shown in Fig. 2 compared to the electric coil of Fig. 1, that a plate 4 having the identical dimensions can be used in either case, thus, providing standardized placement procedures that can be employed for differently sized electric components and different component types (see page 12, lines 15-29). DE 290694 teaches that different components can be used with an identical plate 4. The Applicant respectfully points out that DE 94 10 532 does not teach, or

suggest, that adjustments can be made to the components attached to plate 4 once the coil assembly is attached to a circuit board. More importantly, there is no teaching within DF 94 10 532, for the plate to have any function in providing adjustments to loops of the coil.

Accordingly, this rejection is respectfully traversed.

Applicant is not aware of any additional patents, publications, or other information not previously submitted to the Patent and Trademark Office which would be required under 37 C.F.R. 1.99.

In view of the foregoing amendment and remarks, the Applicant believes that the present application is in condition for allowance, with such allowance being, respectfully, requested.

Respectfully submitted,

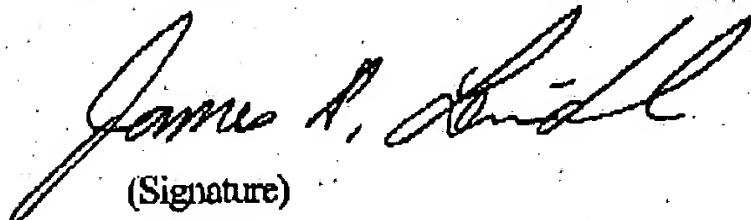
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